William Danes ET 8023 Cohort 13

Action Research Plan

Goal: To determine the benefits of a 1 to 1 student computer ratio and ways to avoid problems that has occurred during the implementation.

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| **Action Steps** | **Person Resp.** | **Timeline** | **Needed Resources** | **Evaluation** |
| Conduct a review of relevant literature on the issue of 1 to 1 ratio. | William Danes | Aug. to Oct. 2010 | Internet | Discuss any modifications needed with the site mentor |
| Develop surveys to determine perceived benefits, drawbacks, and interests in a student to computer ratio of 1 to 1. | William Danes | Oct. to Nov. 2010 | Survey | Teacher Survey  Student Survey |
| Conduct interviews of several people including an AP of a school currently using a computer to student ratio of 1 to 1, an AP of a school considering a 1 to 1 ratio, a director of technology to gain insight on potential problems at a district level, and a sales consultant to determine costs of a move to a 1 to 1 ratio. | William Danes | Nov. 2010 to Jan. 2011 | Interviews | Interviews |
| Develop a wiki, to use with a small core of teachers, to plan for using computers in class, training for teachers, and discuss and problem solve potential problems. | William Danes | Oct. 2010 to May 2011 | Internet and wiki site | Monitor wiki site |
| Develop a plan for a school to implement the computer to student ratio of 1 to 1. | William Danes | May to June 2011 | Literature review, surveys, interviews, and wiki site | Implementation plan |

*Draft Action Research Plan*

The goals of this action research are to determine the benefits of a 1 to 1 student computer ratio and ways to avoid problems that has occurred during the implementation of the 1 to 1 ratio.

*Activities to accomplish this are:*

1. Conduct a review of relevant literature on the issue of one to one ratio.
2. Develop surveys to determine perceived benefits, drawbacks, and interests in a student to computer ratio of one to one.
3. Conduct interviews of several people including an AP of a school currently using a computer to student ratio of one to one, an AP of a school considering a one to one ratio, a director of technology to gain insight on potential problems at a district level, and a sales consultant to determine costs of a move to a one to one ratio.
4. Develop a wiki, to use with a small core of teachers, to plan for using computers in class, training for teachers, and discuss and problem solve potential problems.
5. Develop a plan for a school to implement the computer to student ratio of one to one.

I am the person responsible for the implementation of the activities and analyze the associated data with the assistance from my site mentor.

*Needed Resources:*

1. Teacher and student surveys.
2. Literature for review.
3. Wiki for brainstorming
4. A small group of teachers

*Timeline of Implementation:*

1. Review of literature completed by 9/13/2010
2. Develop surveys for teachers and students by 9/30/2010.
3. Conduct surveys of both teachers and students by 10/20/2010.
4. Indentify teachers to act as advisory group to discuss issues concerning 1 to 1 ratio by 11/05/2010.
5. Identify the people that are to be interviewed by 11/15/2010.
6. Interview the people selected by 1/31/2011
7. Throughout the year participate in group discussions on the issues of implementation of a 1 to 1 ratio.
8. Generate plan for implementation by the 6/30/2011.

*Monitoring of activities:*

1. Maintain wiki information.
2. Responses to teacher and student survey
3. Maintain interview responses

*Evaluation instruments:*

1. Teacher and student surveys
2. Wiki site
3. Plan for 1 to 1 implementation